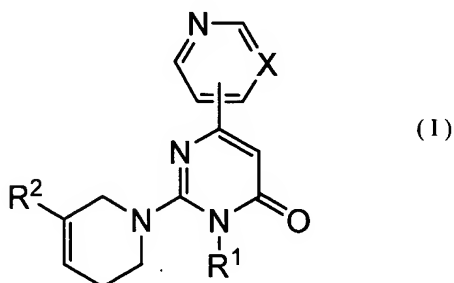


AMENDMENTS TO THE CLAIMS

1. (Original) A pyrimidone derivative represented by formula (I) or a salt thereof, or a solvate thereof or a hydrate thereof:



wherein X represents CH or nitrogen atom;

R¹ represents a C₁-C₁₂ alkyl group which may be substituted;

R² represents a C₁-C₈ alkyl group which may be substituted, a benzene ring which may be substituted, a naphthalene ring which may be substituted, an indan ring which may be substituted, a tetrahydronaphthalene ring which may be substituted, or an optionally substituted heterocyclic ring having 1 to 4 hetero atoms selected from the group consisting of oxygen atom, sulfur atom, and nitrogen atom, and having 5 to 10 ring-constituting atoms in total.

2. (Original) The pyrimidone derivative or the salt thereof, or the solvate thereof or the hydrate thereof according to claim 1, wherein R¹ is methyl group.

3. (Original) The pyrimidone derivative or the salt thereof, or the solvate thereof or the hydrate thereof according to claim 1, wherein the heterocyclic ring at R² is a group selected from furan ring, benzofuran ring, thiophene ring, benzothiophene ring, benzisoxazole ring and 1H-indazole ring.

4. (Original) A pyrimidone derivative which is selected from the group consisting of:

2-(5-phenyl-3,6-dihydro-2H-pyridin-1-yl)-3-methyl-6-pyridin-4-yl-3H-pyrimidin-4-one;

2-[5-(2-methoxyphenyl)-3,6-dihydro-2H-pyridin-1-yl]-3-methyl-6-pyridin-4-yl-3H-pyrimidin-4-one; 2-[5-(4-methoxyphenyl)-3,6-dihydro-2H-pyridin-1-yl]-3-methyl-6-pyridin-4-yl-3H-

pyrimidin-4-one;

2-[5-(2-bromophenyl)-3,6-dihydro-2H-pyridin-1-yl]-3-methyl-6-pyridin-4-yl-3H-pyrimidin-4-one;

2-[5-(2-fluorophenyl)-3,6-dihydro-2H-pyridin-1-yl]-3-methyl-6-pyridin-4-yl-3H-pyrimidin-4-one;

2-[5-(4-fluorophenyl)-3,6-dihydro-2H-pyridin-1-yl]-3-methyl-6-pyridin-4-yl-3H-pyrimidin-4-one;

2-[5-(2,4-difluorophenyl)-3,6-dihydro-2H-pyridin-1-yl]-3-methyl-6-pyridin-4-yl-3H-pyrimidin-4-one;

2-[5-(2-chlorophenyl)-3,6-dihydro-2H-pyridin-1-yl]-3-methyl-6-pyridin-4-yl-3H-pyrimidin-4-one;

2-[5-(4-chlorophenyl)-3,6-dihydro-2H-pyridin-1-yl]-3-methyl-6-pyridin-4-yl-3H-

pyrimidin-4-one;

2-[5-(2,4-dichlorophenyl)-3,6-dihydro-2H-pyridin-1-yl]-3-methyl-6-pyridin-4-yl-3H-pyrimidin-4-one;

2-[5-(2,6-dimethoxyphenyl)-3,6-dihydro-2H-pyridin-1-yl]-3-methyl-6-pyridin-4-yl-3H-pyrimidin-4-one;

2-[5-(2-trifluoromethylphenyl)-3,6-dihydro-2H-pyridin-1-yl]-3-methyl-6-pyridin-4-yl-3H-pyrimidin-4-one;

2-[5-(benzoxazole-3-yl)-3,6-dihydro-2H-pyridin-1-yl]-3-methyl-6-pyridin-4-yl-3H-pyrimidin-4-one;

2-(5-benzyl-3,6-dihydro-2H-pyridin-1-yl)-3-methyl-6-pyridin-4-yl-3H-pyrimidin-4-one;

2-(5-biphenyl-2-yl-3,6-dihydro-2H-pyridin-1-yl)-3-methyl-6-pyridin-4-yl-3H-pyrimidin-4-one;

2-(5-thiophen-3-yl-3,6-dihydro-2H-pyridin-1-yl)-3-methyl-6-pyridin-4-yl-3H-pyrimidin-4-one;

2-(5-thiophen-2-yl-3,6-dihydro-2H-pyridin-1-yl)-3-methyl-6-pyridin-4-yl-3H-pyrimidin-4-one;

2-[5-(4-fluorophenoxymethyl)-3,6-dihydro-2H-pyridin-1-yl]-3-methyl-6-pyridin-4-yl-3H-pyrimidin-4-one;

2-[5-(4-pyrrolidinylcarbonylphenyl)-3,6-dihydro-2H-pyridin-1-yl]-3-methyl-6-pyridin-4-yl-3H-pyrimidin-4-one;

2-(5-phenyl-3,6-dihydro-2H-pyridin-1-yl)-3-methyl-6-pyrimidin-4-yl-3H-pyrimidin-4-one;

2-[5-(2-methoxyphenyl)-3,6-dihydro-2H-pyridin-1-yl]-3-methyl-6-pyrimidin-4-yl-3H-

pyrimidin-4-one;

2-[5-(4-methoxyphenyl)-3,6-dihydro-2H-pyridin-1-yl]-3-methyl-6-pyrimidin-4-yl-3H-pyrimidin-4-one;

2-[5-(2-bromophenyl)-3,6-dihydro-2H-pyridin-1-yl]-3-methyl-6-pyrimidin-4-yl-3H-pyrimidin-4-one;

2-[5-(2-fluorophenyl)-3,6-dihydro-2H-pyridin-1-yl]-3-methyl-6-pyrimidin-4-yl-3H-pyrimidin-4-one;

2-[5-(4-fluorophenyl)-3,6-dihydro-2H-pyridin-1-yl]-3-methyl-6-pyrimidin-4-yl-3H-pyrimidin-4-one;

2-[5-(2,4-difluorophenyl)-3,6-dihydro-2H-pyridin-1-yl]-3-methyl-6-pyrimidin-4-yl-3H-pyrimidin-4-one;

2-[5-(2-chlorophenyl)-3,6-dihydro-2H-pyridin-1-yl]-3-methyl-6-pyrimidin-4-yl-3H-pyrimidin-4-one;

2-[5-(4-chlorophenyl)-3,6-dihydro-2H-pyridin-1-yl]-3-methyl-6-pyrimidin-4-yl-3H-pyrimidin-4-one;

2-[5-(2,4-dichlorophenyl)-3,6-dihydro-2H-pyridin-1-yl]-3-methyl-6-pyrimidin-4-yl-3H-pyrimidin-4-one;

2-[5-(2,6-dimethoxyphenyl)-3,6-dihydro-2H-pyridin-1-yl]-3-methyl-6-pyrimidin-4-yl-3H-pyrimidin-4-one;

2-[5-(2-trifluoromethylphenyl)-3,6-dihydro-2H-pyridin-1-yl]-3-methyl-6-pyrimidin-4-yl-3H-pyrimidin-4-one;

2-[5-(benzoxazole-3-yl)-3,6-dihydro-2H-pyridin-1-yl]-3-methyl-6-pyrimidin-4-yl-3H-pyrimidin-4-one;

2-(5-benzyl-3,6-dihydro-2H-pyridin-1-yl)-3-methyl-6-pyrimidin-4-yl-3H-pyrimidin-4-one;

2-(5-biphenyl-2-yl-3,6-dihydro-2H-pyridin-1-yl)-3-methyl-6-pyrimidin-4-yl-3H-pyrimidin-4-one;

2-(5-thiophen-3-yl-3,6-dihydro-2H-pyridin-1-yl)-3-methyl-6-pyrimidin-4-yl-3H-pyrimidin-4-one;

2-(5-thiophen-2-yl-3,6-dihydro-2H-pyridin-1-yl)-3-methyl-6-pyrimidin-4-yl-3H-pyrimidin-4-one;

2-[5-(4-fluorophenoxymethyl)-3,6-dihydro-2H-pyridin-1-yl]-3-methyl-6-pyrimidin-4-yl-3H-pyrimidin-4-one;

2-[5-(4-pyrrolidinylcarbonylphenyl)-3,6-dihydro-2H-pyridin-1-yl]-3-methyl-6-pyrimidin-4-yl-3H-pyrimidin-4-one;

and or a salt thereof, or a solvate thereof or a hydrate thereof.

5. (Currently Amended) A medicament composition comprising as an active ingredient a substance selected from the group consisting of the pyrimidone derivative represented by formula (I) and a salt thereof, and a solvate thereof and a hydrate thereof according to claim 1.

6. (Original) A tau protein kinase 1 inhibitor selected from the group consisting of the pyrimidone derivative represented by formula (I) and a salt thereof, and a solvate thereof and a hydrate thereof according to claim 1.

7. (Currently Amended) The medicament composition according to claim [[4]] 5 which is used for preventive and/or therapeutic treatment of a disease caused by tau protein kinase 1 hyperactivity.

8. (Currently Amended) The medicament composition according to claim [[4]] 5 which is used for preventive and/or therapeutic treatment of a neurodegenerative disease.

9. (Currently Amended) The medicament composition according to claim [[7]] 8, ~~wherein the~~ which is used for preventive and/or therapeutic treatment of a disease is selected from the group consisting of Alzheimer disease, cerebrovascular accidents (e.g. ischemic, age-related macular degeneration), Down syndrome, cerebral bleeding due to cerebral amyloid angiopathy, Parkinson's disease, subacute sclerosing panencephalitic parkinsonism, postencephalitic parkinsonism, pugilistic encephalitis, Guam parkinsonism-dementia complex, Lewy body disease, tauopathies (e.g. Pick's disease, corticobasal degeneration, frontotemporal dementia, progressive supranuclear palsy), and other dementia including vascular dementia; acute and other traumatic injuries, brain and spinal cord trauma, peripheral neuropathies, retinopathies and glaucoma.

10. (Currently Amended) The medicament composition according to claim [[4]] 5, wherein the disease is selected from the group consisting of non-insulin dependent diabetes (such as diabetes type II), obesity, manic depressive illness, schizophrenia, alopecia, cancers such as breast cancer, non-small cell lung carcinoma, thyroid cancer, T or B-cell leukemia, and a virus-induced tumor.